

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

41992-00627

SERIAL NO.

10/645,365

APPLICANT(S)

Brace et al.

FILING DATE

August 21, 2003

GROUP

Not Yet Assigned

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>DC</i>	1.	3,614,778	10/19/71	GRAHAM ET AL.	<del>343</del>	<del>5</del>	
<i>DC</i>	2.	3,735,400	05/22/73	SLETTEN ET AL.	<del>343</del>	<del>7.7</del>	
<i>DC</i>	3.	3,787,840	01/22/74	DOTSON	<del>343</del>	<del>7.7</del>	
<i>DC</i>	4.	3,787,849	01/22/74	SLETTEN ET AL.	<del>343</del>	<del>7.7</del>	
<i>DC</i>	5.	3,975,734	08/17/76	PAYNE	<del>343</del>	<del>7.7</del>	
<i>DC</i>	6.	4,052,889	10/11/77	MUCCIARDI ET AL.	<del>73</del>	<del>67.8</del>	
<i>DC</i>	7.	4,053,885	10/11/77	TOMITA ET AL.	<del>343</del>	<del>7.7</del>	
<i>DC</i>	8.	4,086,590	04/25/78	GOGGINS, JR.	<del>343</del>	<del>5</del>	
<i>DC</i>	9.	4,164,788	08/14/79	JAIN	<del>364</del>	<del>515</del>	
<i>DC</i>	10.	4,217,583	08/12/80	HILLER ET AL.	<del>343</del>	<del>7.7</del>	
<i>DC</i>	11.	4,241,350	12/23/80	UFFELMAN	<del>343</del>	<del>5</del>	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>DC</i>	A.	Rafael C. Gonzalez & Paul Wintz, "DIGITAL IMAGE PROCESSING", 1997, 5 Pages (Pgs. 16-19)
<i>DC</i>	B.	Chapter 7 Image Processing Basics, 7.3 Visual Phenomena, 4 Pages (Pgs 429-432).

EXAMINER

GREGORY

DATE CONSIDERED

5/14/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

41992-00627

SERIAL NO.

10/645,365

APPLICANT(S)

Brace et al.

FILING DATE

August 21, 2003

GROUP

Not Yet Assigned

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
per	12. 4,559,537	12/17/85	PERASON, JR. ET AL.	343	7	
per	13. 4,608,566	08/26/86	ENNIS ET AL.	343	5	
per	14. 4,655,228	04/07/87	SHIMURA ET AL.	128	660	
per	15. 4,675,677	06/23/87	VON MAYDELL ET AL.	342	25	
per	16. 4,761,545	08/02/88	MARSHALL ET AL.	250	291	
per	17. 4,829,306	05/09/89	GJESSING ET AL.	342	159	
per	18. 4,858,124	08/15/89	LIZZI ET AL.	364	413	
per	19. 4,864,307	09/05/89	POTAGE ET AL.	342	192	
per	20. 4,992,797	02/12/91	GJESSING ET AL.	342	192	
per	21. 5,047,968	09/10/91	CARRINGTON ET AL.	364	574	
per	22. 5,068,664	11/26/91	APPRIOU ET AL.	342	90	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

per	C.	Bruce P. Boser et al., "THE QUEFRENCY ALANYSIS OF TIME SERIES FOR ECHOES: CEPSTRUM Pseudo-AUTOCOVARIANCE, CROSS-CEPSTRUM AND SAPHE CRACKING" Brown University, June 11-14, 1962, Pgs. 209-243
per	D.	Alan V. Oppenheim et al., "THE IMPORTANCE OF PHASE IN SIGNALS", 1981, Pgs. 529-541.

EXAMINER

GREGORY

DATE CONSIDERED

5/14/03

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

41992-00627

SERIAL NO.

10/645,365

APPLICANT(S)

Brace et al.

FILING DATE

August 21, 2003

GROUP

Not Yet Assigned

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
per	23. 5,068,666	11/26/91	VOLES	342	192	
per	24. 5,072,314	12/10/91	CHANG	359	559	
per	25. 5,122,803	06/19/92	STANN ET AL.	342	25	
per	26. 5,159,474	10/27/92	FRANKE ET AL.	359	29	
per	27. 5,339,080	08/16/94	STEINWAY ET AL.	342	22	
per	28. 5,345,242	09/06/94	ROBERTS ET AL.	342	159	
per	29. 5,446,461	08/29/95	FRAZIER	342	22	
per	30. 5,451,961	09/19/95	RUBIN ET AL.	342	159	
per	31. 5,469,176	11/21/95	SANDLER ET AL.	342	375	
per	32. 5,502,444	03/26/96	KOHLBERG	342	22	
per	33. 5,539,412	07/23/96	MENDELSON	342	192	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

per	E.	Liberty Instruments, Inc., "REFLECTING ON ECHOES AND THE CEPSTRUM: A LOOK AT QUEFRENCY ANALYSIS AND HEARING", 01/24/00, 11 Pages (1-10 and 1 of 1)
per	F.	Azriel Rosenfeld et al., "DIGITAL PICTURE PROCESSING" Second Edition Vol. 1, 1982, 7 Pages (Pgs. 126-131)

EXAMINER

GREGORY

DATE CONSIDERED

5/14/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<p style="text-align: center;"><b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)</p> <div style="position: absolute; top: 50px; left: 50px; border: 1px solid black; border-radius: 50%; padding: 10px; text-align: center;">             PATENT &amp; TRADEMARK OFFICE              FEB 09 2004           </div>	ATTY DOCKET NO. <b>41992-00627</b>	SERIAL NO. <b>10/645,365</b>
	APPLICANT(S) <b>Brace et al.</b>	
	FILING DATE <b>August 21, 2003</b>	GROUP <b>Not Yet Assigned</b>

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
dy	34.	5,546,084	08/13/96	HINDMAN	342	25
dy	35.	5,561,431	10/01/96	PEELE ET AL.	342	90
dy	36.	5,563,601	10/08/96	CATALDO	342	25
dy	37.	5,563,604	10/08/96	BRANDAO ET AL.	342	159
dy	38.	5,594,450	01/14/97	SCHOBER	342	159
dy	39.	5,612,700	03/18/97	TUCKER	342	90
dy	40.	5,614,907	03/25/97	KREITMAIR-STECK ETAL.	342	25
dy	41.	5,659,318	08/19/97	MADSEN ET AL.	342	25
dy	42.	5,675,468	10/07/97	CHANG	<del>361</del>	<del>119</del>
dy	43.	5,675,663	10/07/97	KOERNER ET AL.	<del>382</del>	<del>181</del>
dy	44.	5,721,694	02/24/98	GRAUPE	<del>364</del>	<del>574</del>

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

dy		G.	William H. Press et al., "NUMERICAL RECIPES IN FORTRAN", The Art of Scientific Computing Second Edition, Cambridge University, Pgs. 584-599
dy		H.	Carrara, Walter G., "SPOTLIGHT SYNTHETIC APERTURE RADAR", Artech House, Inc. 1995, Pgs. 237-243

EXAMINER <b>GREGORY</b>	DATE CONSIDERED <b>5/14/04</b>
----------------------------	-----------------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY DOCKET NO.

41992-00627

SERIAL NO.

10/645,365

APPLICANT(S)

Brace et al.

FILING DATE

August 21, 2003

GROUP

Not Yet Assigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED DATE IF APPROPRIATE
DCY	45. 5,729,465	03/17/98	BARBARESCO	<del>364</del>	<del>485</del>	
DCY	46. 5,780,775	07/14/98	YU	<del>174</del>	<del>135</del>	
DCY	47. 5,790,702	08/14/98	YOSHIMURA	<del>382</del>	<del>209</del>	
DCY	48. 5,848,193	12/08/98	GARCIA	<del>382</del>	<del>232</del>	
DCY	49. 5,867,118	02/02/99	MCCOY ET AL.	342	90	
DCY	50. 5,909,190	06/01/99	LO ET AL.	342	159	
DCY	51. 5,910,785	06/08/99	NORMANT	342	25	
DCY	52. 5,936,552	08/10/99	WICHGERS ET AL.	<del>340</del>	<del>963</del>	
DCY	53. 5,959,566	09/28/99	PETTY	342	25	
DCY	54. 5,960,097	09/28/99	PFEIFFER ET AL.	<del>382</del>	<del>403</del>	
DCY	55. 6,011,625	01/04/00	GLASS	<del>356</del>	<del>357</del>	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DCY	I.	4.2 INVERSE IMAGE FILTERING, Author Unknown (XP-002154117)
DCY	J.	Bruce Chapman, "SAR INTERFEROMETRY AND SURFACE CHANGE DETECTION", II. Basic Principles of SAR Interferometry, 04/29/03, Pgs. 1-9

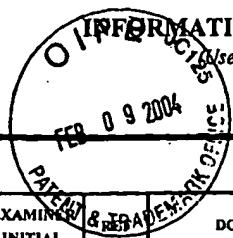
EXAMINER

GREGORY

DATE CONSIDERED

5/14/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

41992-00627

Application Number

10/645,365

Applicant(s)

Brace et al.

Filing Date

August 21, 2003

Group Art Unit

Not Yet Assigned

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DM	56.	6,038,337	03/14/00	LAWRENCE ET AL.	<del>382</del>	<del>156</del>	
DM	57.	6,046,695	04/04/00	POEHLER ET AL.	342	25	
DM	58.	6,070,461	06/06/00	GJESSING ET AL.	<del>73</del>	<del>170.15</del>	
DM	59.	6,150,972	11/21/00	BICKEL ET AL.	342	25	
DM	60.	6,173,066	01/09/01	PEURACH ET AL.	<del>382</del>	<del>103</del>	
DM	61.	6,252,754	06/26/01	CHAUDHRY	<del>361</del>	<del>411</del>	
DM	62.	6,288,776	09/11/01	CAHILL ET AL.	<del>356</del>	<del>5.1</del>	
DM	63.	6,333,986	12/25/01	PETTY	<del>382</del>	<del>103</del>	
DM	64.	6,337,654	01/08/02	RICHARDSON ET AL.	342	90	
DM	65.	6,347,264	02/12/02	NICOSIA T AL.	<del>701</del>	<del>16</del>	
DM	66.	6,377,206	04/23/02	PETTY	342	159	

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

GREGORY

DATE CONSIDERED

5/14/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and no considered. Include copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)

41992-00627

Application Number

10/645,365

Applicant(s)

Brace et al.

Filing Date

August 21, 2003

Group Art Unit

Not Yet Assigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
My	67.	6,384,766	05/07/02	ULANDER	342	25	
ms	68.	6,441,376	08/27/02	GLASS ET AL.	<del>250</del>	<del>342</del>	
My	69.	6,492,932	12/10/02	JIN ET AL.	342	25	

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

GREGORY

DATE CONSIDERED

5/14/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.